

Yamaha CDR1000
Professional Audio CD Recorder

CDR1000





At last, recording direct to compact disc is as easy as tape-based formats.

It's **simple**. It's **fast**. And it's **fully professional**. It's the Yamaha CDR1000 Professional Audio CD Recorder, a fully professional CD recorder that's fully compatible with CD-R and CD-RW. Finally, the convenience of tape-based recording formats has come to the CD. And Yamaha is leading the way with this unique 2-unit rack-mount device destined for the great recording studios and composing suites of the world. Uncompromising in every way, the CDR1000 features everything professionals demand in today's fast-paced, ultra high-tech recording environments. Key features like...

- Apogee UV22 Super CD 16-bit Encoding
- Sampling rate converter (30 – 50kHz to 44.1kHz)
- Word clock input for AES/EBU pass-through
- Versatile digital and analog I/O configurations, including digital signal cascade output
- High-precision automatic recording start function
- Manual and automatic track number increment functions
- Easy index recording function
- Audio Delay, Fade In/Fade Out, and Auto Finalize
- Wireless remote controller, footswitch connector for recording start, parallel I/O port, and much more



Front Panel



Rear Panel



Apogee UV22: The Professional Standard

The CDR1000 incorporates Apogee UV22 Super CD Encoding, a superior processing technology adopted by major recording studios all over the world. UV22 permits high-quality 16-bit encoding of sources originally recorded at higher bit resolutions without the need for peripheral gear.

Simple Sampling Rate Conversion

Another handy feature built right into the CDR1000 is a sampling rate converter capable of handling a wide range of digital sources, everything from 30kHz to 50kHz. (With 44.1kHz sources the converter is bypassed.)

And the CDR1000 is not only the ideal CD recorder, it's also a high-quality CD playback source, with the convenience of being able to configure a fully digital system without having to change the master/slave clock settings. What's more, a word clock input is provided for AES/EBU pass-through.

Flexible I/O Options

The CDR1000's input and output options include everything discerning professionals demand in order to handle all types of CD recording and playback situations.

The selection of inputs includes coaxial, AES/EBU, and analog balanced XLR connectors with a +4dB/-10dBV switch. Available outputs include coaxial, AES/EBU and analog XLR (+4dB) connectors.

Versatile Recording, Indexing And Other Features

It's easy to get a good recording every time with the CDR1000. A high-precision recording start feature ensures professional takes without missing a beat. Also, an audio delay feature lets you "back-track" up to 5 seconds by buffering the input.

Track incrementing is set up for ease of use, as well. You can select either manual or automatic indexing. The threshold level for auto track increment can be set to -96 or to any value between -70 and -30dB, when the input signal goes below the threshold for more than three seconds. What's more, a handy index recording function lets you place multiple sound effect libraries within a single track.

Other key features of the CDR1000 include easy to read 16-segment level meters with peak hold function, quad-speed finalize capability for improved editing efficiency, and selectable copy protect functions including PERMIT (unlimited copy), ONCE (SCMS compatible) and PROTECT (no copy).

Convenient Start/Stop Options, And More

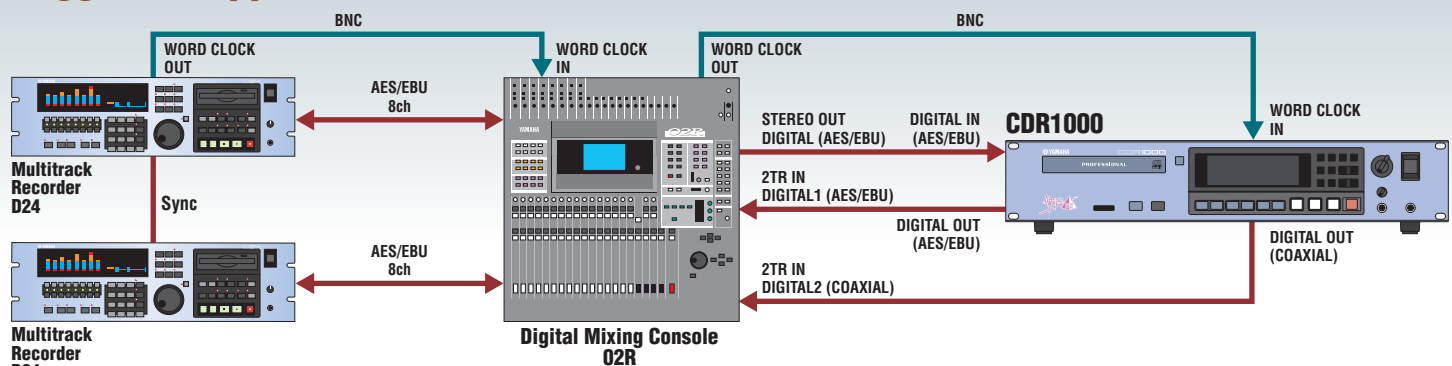
The CDR1000 comes with a full-function wireless remote controller that provides for convenience in accessing all main operating features in a variety of CD recording and playback situations. A foot switch connector is also provided for recording start and stop control by foot using an optional foot switch.

A digital signal cascade output function with synchronized recording lets you easily create duplicates using multiple machines.

Also, a parallel I/O port allows for external control by input and output pulse.

I/O	Functions
Input	Play, Pause, Stop, Rec Standby, Track Inc
Output	Play, Pause, Stop

Suggested Application



This heavyweight multitrack recording and mastering system is about the simplest professional studio setup around. Two Yamaha D24 Multitrack Recorders provide 16 channels of multitrack recording and playback using handy MO disks, run through the global standard Yamaha 02R Digital Mixing Console, complete with multiple effects and automated mixing capabilities built right in. Once the mix is perfect, simply master it to CD using the CDR1000. The signal remains all digital from start to finish!

Specifications

System

Compact Disc Recordable

Playback format

CD

Recording formats

CD-R, CD-RW (Audio and Data discs)

Quantization

16-bit linear

Sampling Frequency

44.1kHz

Frequency Response

20 Hz – 20kHz (+1/-3dB)

Fs Converter

30kHz – 50kHz (automatically converted to 44.1kHz)

Frequency Response

20 Hz – 20kHz

Wow and Flutter

Unmeasurable

Recording/Playback (Analog)

S/N	97dB
Dynamic Range	97dB
THD	0.01%

Dimensions (WxHxD)

480 x 101 x 389mm (18 3/5" x 4" x 15 1/3")

Weight

8kg (17lbs., 9oz)

Power Consumption

33W

Accessories

Power Cord, Remote Controller (Wireless type)

Option

Foot Switch	FC-5
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I/O Configuration

Analog Input

Connector	XLR 3-31 Type
Input Impedance	20k Ω (balanced)
Nominal Input Level	+4dB/-10dBV (selectable)
Maximum Input Level	+18dB/+4dBV (Rec Level at Nominal)

Analog Output

Connector	XLR 3-32 Type
Output Impedance	150 Ω (balanced)
Nominal Output Level	+4dB
Maximum Output Level	+18dB

Head Phone Output

Connector	1/4-inch Stereo Jack
Load Impedance	40 Ω + 40 Ω
Maximum Output Level	100mW + 100mW

AES/EBU Input

Connector	XLR 3-31 Type
Input Impedance	110 Ω

AES/EBU Output

Connector	XLR 3-32 Type
Output Impedance	110 Ω

Coaxial Input (IEC60958)

Connector	Phono
Input Impedance	75 Ω

Coaxial Output (IEC60958)

Connector	Phono
Output Impedance	75 Ω

Control I/O

Connector	D-Sub 9pin
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Foot Switch Input

1/4-inch Monaural Jack

YAMAHA Web Site

<http://www.yamaha.co.jp/english/>
<http://www.yamaha.co.jp/product/proaudio/homeenglish/>

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Specifications subject to change without notice.

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